

# Limited capacity of tree growth to mitigate the global warming

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Citation Report

#	ARTICLE	IF	CITATIONS
1	The global tree restoration potential. <i>Science</i> , 2019, 365, 76-79.	6.0	1,181
2	Pervasive decreases in living vegetation carbon turnover time across forest climate zones. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 24662-24667.	3.3	52
3	A comprehensive data-based assessment of forest ecosystem carbon stocks in the US 1907–2012. <i>Environmental Research Letters</i> , 2019, 14, 125015.	2.2	18
4	Long-term physiological and growth responses of Himalayan fir to environmental change are mediated by mean climate. <i>Global Change Biology</i> , 2020, 26, 1778-1794.	4.2	49
5	Drought-induced dieback of riparian black alder as revealed by tree rings and oxygen isotopes. <i>Forest Ecology and Management</i> , 2020, 478, 118500.	1.4	14
6	The course of tree growth. Theory and reality. <i>Forest Ecology and Management</i> , 2020, 478, 118508.	1.4	38
7	Forest carbon sink neutralized by pervasive growth-lifespan trade-offs. <i>Nature Communications</i> , 2020, 11, 4241.	5.8	122
8	Pervasive shifts in forest dynamics in a changing world. <i>Science</i> , 2020, 368, .	6.0	576
9	Climate–human interactions contributed to historical forest recruitment dynamics in Mediterranean subalpine ecosystems. <i>Global Change Biology</i> , 2020, 26, 4988-4997.	4.2	9
10	Decoupling between growth rate and storage remobilization in broadleaf temperate tree species. <i>Functional Ecology</i> , 2020, 34, 1180-1192.	1.7	22
11	How do forest landscapes respond to elevated CO <sub>2</sub> and ozone? Scaling Aspen FACE plot-scale experimental results. <i>Ecosphere</i> , 2020, 11, e03162.	1.0	6
12	Forest responses to simulated elevated CO <sub>2</sub> under alternate hypotheses of size- and age-dependent mortality. <i>Global Change Biology</i> , 2020, 26, 5734-5753.	4.2	18
13	Envisioning a global forest transition: Status, role, and implications. <i>Land Use Policy</i> , 2020, 99, 104808.	2.5	9
14	New Evidence of Thermally Constrained Plant Cell Wall Lignification. <i>Trends in Plant Science</i> , 2020, 25, 322-324.	4.3	22
15	Ranking of tree-ring based hydroclimate reconstructions of the past millennium. <i>Quaternary Science Reviews</i> , 2020, 230, 106074.	1.4	50
16	Simulating the effect of forest fires, cuttings, and increased nitrogen deposition on dynamics of key forest ecosystem properties and processes in Russian North-West. <i>European Journal of Forest Research</i> , 2020, 139, 665-683.	1.1	4
17	Integrating the evidence for a terrestrial carbon sink caused by increasing atmospheric CO <sub>2</sub> . <i>New Phytologist</i> , 2021, 229, 2413-2445.	3.5	286
18	Snow dynamics influence tree growth by controlling soil temperature in mountain pine forests. <i>Agricultural and Forest Meteorology</i> , 2021, 296, 108205.	1.9	22

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19	Mature forests hold maximum live biomass stocks. <i>Forest Ecology and Management</i> , 2021, 480, 118635.	1.4	20
20	On tree longevity. <i>New Phytologist</i> , 2021, 231, 1318-1337.	3.5	57
21	Earlywood structure of evergreen conifers near forest line is habitat driven but latewood depends on species and seasons. <i>Trees - Structure and Function</i> , 2021, 35, 479-492.	0.9	5
22	Populations-und VegetationsÄkologie. , 2021, , 1013-1054.		0
23	Land-use practices (coppices and dehesas) and management intensity modulate responses of Holm oak growth to drought. <i>Agricultural and Forest Meteorology</i> , 2021, 297, 108235.	1.9	6
24	Possible changes in spatial distribution of walnut ( <i>Juglans regia</i> L.) in Europe under warming climate. <i>Regional Environmental Change</i> , 2021, 21, 1.	1.4	27
25	Trait plasticity and trade-offs shape intra-specific variation in competitive response in a foundation tree species. <i>New Phytologist</i> , 2021, 230, 710-719.	3.5	17
26	Role of photosynthesis and stomatal conductance on the long-term rising of intrinsic water use efficiency in dominant trees in three old-growth forests in Bosnia-Herzegovina and Montenegro. <i>IForest</i> , 2021, 14, 53-60.	0.5	2
27	Annual aboveground carbon uptake enhancements from assisted gene flow in boreal black spruce forests are not long-lasting. <i>Nature Communications</i> , 2021, 12, 1169.	5.8	22
28	Multi-decade tree mortality in temperate old-growth forests of Europe and North America: Non-equilibrial dynamics and species-individualistic response to disturbance. <i>Global Ecology and Biogeography</i> , 2021, 30, 1311-1333.	2.7	7
29	Variations of carbon allocation and turnover time across tropical forests. <i>Global Ecology and Biogeography</i> , 2021, 30, 1271-1285.	2.7	12
30	Contrasting Growth Response of Jack Pine and Trembling Aspen to Climate Warming in Quebec Mixedwoods Forests of Eastern Canada Since the Early Twentieth Century. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG005873.	1.3	4
31	High-frequency stable isotope signals in uneven-aged forests as proxy for physiological responses to climate in Central Europe. <i>Tree Physiology</i> , 2021, 41, 2046-2062.	1.4	12
32	Size-, species-, and site-specific tree growth responses to climate variability in old-growth subalpine forests. <i>Ecosphere</i> , 2021, 12, e03529.	1.0	14
33	Agriculture and forest land use change in the continental United States: Are there tipping points?. <i>IScience</i> , 2021, 24, 102772.	1.9	10
34	Impacts of the National Forest Rehabilitation Plan and Human-Induced Environmental Changes on the Carbon and Nitrogen Balances of the South Korean Forests. <i>Forests</i> , 2021, 12, 1150.	0.9	2
35	Hydraulic adaptability promotes tree life spans under climate dryness. <i>Global Ecology and Biogeography</i> , 2022, 31, 51-61.	2.7	6
36	Disturbance history is a key driver of tree life span in temperate primary forests. <i>Journal of Vegetation Science</i> , 2021, 32, e13069.	1.1	13

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37	The contribution of insects to global forest deadwood decomposition. <i>Nature</i> , 2021, 597, 77-81.	13.7	123
38	Mediterranean old-growth forests exhibit resistance to climate warming. <i>Science of the Total Environment</i> , 2021, 801, 149684.	3.9	21
39	Forest Management for Climate Protection. <i>Sustainable Development Goals Series</i> , 2021, , 21-32.	0.2	0
40	Pflanzen im Lebensraum. , 2021, , 947-1012.		0
41	Tools Shape Paradigms of Plant-Environment Interactions. <i>Progress in Botany Fortschritte Der Botanik</i> , 2020, , 1-41.	0.1	3
42	Large-scale tree planting initiatives as an opportunity to derive carbon and biodiversity co-benefits: a case study from Aotearoa New Zealand. <i>New Forests</i> , 2022, 53, 589-602.	0.7	11
43	Experimental evidence shows minor contribution of nitrogen deposition to global forest carbon sequestration. <i>Global Change Biology</i> , 2022, 28, 899-917.	4.2	40
44	The Growth Pattern of <i>Chamaecyparis obtuse</i> Stand along Longevity in Gyeongnam Province, South Korea. <i>Open Journal of Forestry</i> , 2020, 10, 377-387.	0.1	0
45	Green Synthesis of NanoMaterials for BioSensing. <i>Nanotechnology in the Life Sciences</i> , 2020, , 135-217.	0.4	4
48	Dead or Alive: Drivers of Wind Mortality Initiate Multiple Disturbance Regime in a Temperate Primeval Mountain Forest. <i>Forests</i> , 2021, 12, 1599.	0.9	1
49	Climate-Smart Silviculture in Mountain Regions. <i>Managing Forest Ecosystems</i> , 2022, , 263-315.	0.4	3
50	Synchrotron-radiation spectroscopic identification towards diverse local environments of single-atom catalysts. <i>Journal of Materials Chemistry A</i> , 2022, 10, 5771-5791.	5.2	19
51	Plants in the UK flower a month earlier under recent warming. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, 20212456.	1.2	34
52	High-fidelity representation of climate variations by <i>Amburana cearensis</i> tree-ring chronologies across a tropical forest transition in South America. <i>Dendrochronologia</i> , 2022, 72, 125932.	1.0	2
53	A data-driven estimate of litterfall and forest carbon turnover and the drivers of their inter-annual variabilities in forest ecosystems across China. <i>Science of the Total Environment</i> , 2022, 821, 153341.	3.9	4
54	Drought impacts in forest canopy and deciduous tree saplings in Central European forests. <i>Forest Ecology and Management</i> , 2022, 509, 120075.	1.4	17
55	Age and spatial distribution of the world's oldest trees. <i>Conservation Biology</i> , 2022, 36, .	2.4	21
56	Insect defoliation modulates influence of climate on the growth of tree species in the boreal mixed forests of eastern Canada. <i>Ecology and Evolution</i> , 2022, 12, e8656.	0.8	2

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57	European Forest Governance: Status Quo and Optimising Options with Regard to the Paris Climate Target. <i>Sustainability</i> , 2022, 14, 4365.	1.6	7
58	The forest's nutrient cycle drives its carbon cycle. <i>Tree Physiology</i> , 2022, 42, 425-427.	1.4	3
59	Field-based tree mortality constraint reduces estimates of model-projected forest carbon sinks. <i>Nature Communications</i> , 2022, 13, 2094.	5.8	8
61	Did stand opening 60 years ago predispose a European beech population to death?. <i>Trees, Forests and People</i> , 2022, 8, 100265.	0.8	2
62	Molecular Dynamics Simulation of CO <sub>2</sub> Hydrate Growth and Intermolecular Weak Interaction Analysis. <i>Chemistry and Technology of Fuels and Oils</i> , 2022, 58, 410-421.	0.2	5
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64	On the link between tree size and ecosystem carbon sequestration capacity across continental forests. <i>Ecosphere</i> , 2022, 13, .	1.0	3
65	Influencia de los nutrientes del suelo sobre el crecimiento arbóreo en bosques del Pacífico colombiano. <i>Colombia Forestal</i> , 2022, 25, 30-44.	0.5	2
66	Links across ecological scales: Plant biomass responses to elevated CO <sub>2</sub> . <i>Global Change Biology</i> , 2022, 28, 6115-6134.	4.2	22
67	Growth characteristics of <i>Cunninghamia lanceolata</i> in China. <i>Scientific Reports</i> , 2022, 12, .	1.6	3
68	Recent development in the environmental application of nano-sized MgO. <i>Bulletin of Materials Science</i> , 2022, 45, .	0.8	3
69	Carbon concentrations and carbon storage capacity of three old-growth forests in the Sila National Park, Southern Italy. <i>Journal of Forestry Research</i> , 2023, 34, 233-242.	1.7	8
70	Private trees contribute uniquely to urban forest diversity, structure and service-based traits. <i>Urban Forestry and Urban Greening</i> , 2022, 78, 127760.	2.3	5
71	The State of Dark Coniferous Forests on the East European Plain Due to Climate Change. <i>Life</i> , 2022, 12, 1874.	1.1	2
73	Alpine and Arctic tundra shrub populations show similar ontogenetic growth trends but differing absolute growth rates and lifespan. <i>Dendrochronologia</i> , 2023, 77, 126046.	1.0	2
74	The Response of Beech ( <i>Fagus sylvatica</i> L.) Populations to Climate in the Easternmost Sites of Its European Distribution. <i>Plants</i> , 2022, 11, 3310.	1.6	6
75	A Circumpolar Perspective on the Contribution of Trees to the Boreal Forest Carbon Balance. <i>Advances in Global Change Research</i> , 2023, , 271-294.	1.6	1